

## ABSTRACT

Video, voice and data are integrated using existing telephone connections by using a video network server to receive and transmit video signals to and from clients using telephone wires. Client frequency division multiplexing couplers, each associated with one of the clients, receive video and telephone signals from the client and frequency multiplex them onto the telephone wires for transmission. They also receive video signals from the server and frequency demultiplex them for transmission to the client. A video frequency division multiplexing coupler connected between the video network server and each of the client frequency division multiplexing couplers receive the video and telephone signals from the clients and transmit only the video signals to the video network server. A telephone frequency division multiplexing coupler connected between a telephone network switch and each of the client frequency division multiplexing couplers receive the video and telephone signals from the clients and transmit only the telephone signals to the telephone network switch.